

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: The engine and emission control systems produced by the manufacturer are certified as described below for use in on-road motor vehicles with a manufacturer's GVWR over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

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MODEL YEAR	ENGINE FAMILY		ENGINE SIZES (L)	FUEL TYPE 1	STANDARDS & TEST	SERVICE	ECS & SPECIAL FEATURES 3	DIAGNOSTIC 6				
2040	A EN (OLIO 7 ON)			0110	PROCEDURE	CLASS 2	TWC, CAC, TC, TBI, ECM, HO2S,	N/A				
2010	AEMSH07.6N	GE	7.6	CNG	Diesel	MHDD	O2S	100				
	'ENGINE'S IDLE NS CONTROL			AD	DITIONAL IDLE EN	IISSIONS CO	NTROL 5	·				
E	XEMPT				N	/À						
ENGINE (L)		ENGINE MODELS / CODES (rated power, in hp)									
7.6		ESI0308 (260)										
•					*							
=not appli	cable: GVWR=gross v	ehicle we	eight rating: 13 CCD	vyz=Title 12 Californio Code	of Danidations, Cont	10.05	R 86.abc=Title 40, Code of Federal Regulations					
								s, Section 86.abc;				
CNG/LN	IG=compressed/liquef	ied natura	al gas; LPG=liquefied	petroleum gas; E85=85% e	thanol fuel: MF=mult	ifuela.k.a. BF	=bi fuel; DF≂dual fuel; FF=flexible fuel;					
L/M/H H	IDD≕light/medium/hea	vy heavy-	duty diesel; UB=urba	an bus; HDO=heavy duty Ot	lo:		The sale was the sale was					
ECS=en	nission control system	TWC/O	C=three-way/oxidizina	o catalyst: NAC=NOv adsort	ntion catalvet: SCD-II	(SCR-Nesole	ctive catalytic reduction – urea / – ammonia; W	(/www.flb				
	jer, CAC≊charge air c lule; EM≃engine modi				R; PAIR/A!R≖pulsed	l/secondary air	injection; SPL=smoke puff limiter; ECM/PCM=	engine/powertrain				
ESS=en	nine shutdown system	/ner 13 (CP 1056 9/5/(6)/A)/	i) (Bullia)—#1 Series, 1): 20==20 alba http://www.deca.et/	000 4050 04 110110							
per 13 CCF	R 1956.8(a)(6)(D); Ex	empt=exe	empted per 13 CCR 1	956.8(a)(6)(B) or for CNG/LN	IG fuel systems; N/A); APS =intern =not applicable	al combustion auxiliary power system; ALT=alle e (e.g., Otto engines and vehicles);	ernative method				
EMD=e	ngine manufacturer di	aonostic s	system (13 CCR 1971	1): OBD=on-board diagnostic	evetern (13 CCR 10	71 11:	(g.) - tre enginee and follows);					

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.8; 2) the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, for this engine family. "Diesel" CO, EURO and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. (For flexible- and dual-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR 1956.8 are in parentheses.).

in g/bhp-hr	NMHC		NOx		NMHC+NOx		CO		PM		нсно	
	FTP	EURO	FTP	EURO	FTP.	EURO	FTP	EURO	FTP	EURO	FTP	EURO
STD	0.14	0.14	0.2	0.2	*	*	15.5	15.5	0.01	0.01	*	*
EL	*	*	*	*	*	*	*	*	*	*	*	
CERT	0.06	0.08	0.196	0.026	*	*	5.58	8.82	0.013	0.00	*	*
NTE	0.21		0.3			*	19.4		0.02			

g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; EURO=Euro III European Steady-State Cycle, including RMCSET=ram mode cycle supplemental emissions testing; NTE=Not-to-Exceed; STD=standard or emission test cap; FEL=family emission limit; CERT=certification level; NMHC/HC=non-methane/hydrocarbon; NOx=oxides of nitrogen; CO=carbon monoxide: PM=particulate matter; HCHO=formaldehyde; (Rev.: 2007-02-26)

BE IT FURTHER RESOLVED: Certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels) and 13 CCR 2035 et seq. (emission control warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

EMD=engine manufacturer diagnostic system (13 CCR 1971); OBD=on-board diagnostic system (13 CCR 1971.1);

Executed at El Monte, California on this

Annette Hebert, Chief

Mobile Source Operations Division